



Supplemental Document for EPA Outside Useful Life Web Posting

Model Years: 2004 - 2006

Dual-Fuel Conversion for Heavy Duty Trucks:

OEM Test Groups:

4NVXH0466AEA
4NVXH0466AGA

EPA Testing Exemption #: 2013-December-HD-TEST-D-1245

Applicable Standard:

EPA-HQ-OAR-2009-0299; FRL-9289-7

Engines Covered:

4NVXH0466AEA Family: D260, D255, DH245, D245, D225, D220, D210

4NVXH0466AGA Family: DG225, DG220

5NVXH0466AEA Family:

D260, D255, DH245, D245, DH225, D225, D220, D210

5NVXH0466AGA Family: DG225, DG220

6NVXH0466AEA Family: D260, D255, DH245, D245, DH225, D225, D220, D210

6NVXH0466AGA Family: DG225, DG220



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Manufacturer Code: OPT

AFC Test Group Family: EOPTH07.6001

Conversion to Diesel, Biodiesel, and/or Optimus Approved OPT1405-2 Biofuels

May 27, 2014



Table of Contents

Communications	4
Manufacturer Name and Address.....	4
Contact Personnel.....	4
Request for Certification and Statements of Compliance with Standards	5
General Statements	5
Testing Conformance	5
Test Vehicle Information.....	6
Fuels and Lubricants	7
Fuels	7
Facilities and Test Procedures.....	8
Modifications	9



Communications

Manufacturer Name and Address

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Request for Certification and Statements of Compliance with Standards

General Statements

Testing Conformance

The engine described herein was tested in accordance with Part 1065, Title 40 of the United States Code of Federal Regulations, and on the basis of those tests is in conformance with that part, specifically those in subparts J and C. All data and records required by that part will be on file and will be available for inspection by the EPA Administrator or designate. We project the total U.S. sales of conversion systems subject to these subparts to be fewer than 10,000, qualifying Optimus Technologies, LLC as a Small Volume Manufacturer.

A handwritten signature in black ink, appearing to be "A. H.", is positioned above the signature label.

Signature:

Title: Chief Executive Officer



Test Vehicle Information

Engine Name: DT 466 D260

OEM Engine Fuel: Diesel

Engine Manufacturer: International

Test Weight: 29,640 pounds

Model Year: 2004

Vehicle Mileage: 310,088

Combustion Cycle: Homogeneous Charge Compression Ignition

Horsepower: 260

Cooling Mechanism: Water Cooled

Number of Cylinders: 6

Valves per cylinder: 4

Engine Displacement: 7.6 L

Emissions Control Device(s): TC, CAC, EGR, ECM, OC, DI

Aspiration: Electronic Variable Response Turbocharger with Air-to-Air Intercooler



Fuels and Lubricants

Fuels

The Vector dual-fuel conversion system (herein referred to as “the Vector” or “Vector”) allows a retrofitted engine to run on a variety of commercially available biofuels.



Facilities and Test Procedures

For the purposes of evaluating the emissions of the International DT466 equipped with the Vector system, Optimus Technologies contracted with an independent laboratory to conduct emissions tests under 40 CFR Part 1065.



Modifications

Optimus Technologies adheres to the highest industry standards of engineering best practices. These principles are embedded in the work performed on a daily basis when designing, developing and manufacturing the Optimus Technologies Vector System.